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2018–2019
Brings Professional Development to You

NCTM has designed a series of workshops to help you incorporate the best instructional practices into your mathematics teaching. The workshops are based on extensive research about student learning outcomes. These workshops come to you and can be customized to address the needs of your school or district.

Current Workshops:

- Facilitating Meaningful Mathematical Discourse (Pre-K–Grade 12)
- Supporting Students’ Productive Struggle (Pre-K–Grade 12)
- Algebra Readiness for All Students (Grades 6–8)
- Making Mathematics Accessible (Grades 4–8)
- Catalyzing Change
- 5 Practices for Orchestrating Productive Mathematics Discussions

Optional Add-Ons:

- Membership
- Customized webinars
- Bulk publications
- MyNCTM, our online community
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Visit nctm.org/professionalservices to start building your community of practice.
This highly effective and influential text for improving mathematics instruction through productive classroom discussions is now available in a newly updated edition.

This new publication provides a roadmap for overcoming the many obstacles that educators face as they try to make high school mathematics education effective, life-changing, and relevant.

With more than 100,000 copies in print, Principles to Actions is a vital tool for all teachers, mathematics coaches, administrators, parents, and policymakers seeking to improve mathematics education.
## New Releases

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### APME 2018: Rehumanizing Mathematics for Black, Indigenous, and Latinx Students

**EDITED BY IMANI GOFFNEY AND ROCHELLE GUTIERREZ**

**MELISSA BOSTON, SERIES EDITOR 2017–2018**

The 2018 volume of NCTM’s *Annual Perspectives in Mathematics Education* (APME) series focuses on the challenges and possibilities of teaching and learning mathematics with Black, Indigenous, and Latinx students. Its chapters describe successful classroom methods for attending to the identities of both students and teachers, along with suggestions for professional development programs that embrace the entire community of learners.

The chapters describe a variety of initiatives that work to place these often marginalized students—and their identities, backgrounds, challenges, and aspirations—at the center of mathematics teaching and learning. A conversation is developed on what mathematics educators can do to enable Latinx, Black, and Indigenous students to build on their strengths and fulfill their promise.


List Price: $40.95 / Essential Price: $32.76 / Premium Price: $28.67

### 5 Practices for Orchestrating Productive Mathematics Discussions

**MARGARET S. SMITH AND MARY KAY STEIN**

The five manageable practices explained in this book have the power to put teachers in control of productive classroom discussions. The model—anticipating, monitoring, selecting, sequencing, and connecting—focuses on prior planning and limits the amount of improvisation required during the lesson. Newly updated, *5 Practices, 2nd Edition* is situated within the current educational context of the Common Core standards and NCTM’s *Principles to Actions*, and it remains relevant and rewarding for mathematics teachers in K–grade 12 classrooms and for the coaches, teacher educators, professional developers, and supervisors who support them.


List Price: $30.95 / Essential Price: $24.76 / Premium Price: $21.67

Learn more
Catalyzing Change in High School Mathematics: Initiating Critical Conversations

This book identifies and addresses critical challenges in high school mathematics to ensure that each and every student has the mathematical experiences necessary for his or her future personal and professional success. These challenges include broadening the purposes for teaching high school mathematics, dismantling structural obstacles, implementing equitable instructional practices, identifying Essential Concepts that all high school students should learn and understand, and organizing the high school curriculum around these Essential Concepts.

*Catalyzing Change* addresses the fact that significant numbers of high school students develop unproductive mathematical identities and see little value in mathematics, while the need for mathematical skills is increasing to meet the workplace, postsecondary education requirements, and to ensure active participation in our democratic society.

List Price: $39.50 / Essential Price: $31.60 / Premium Price: $27.65

Everything You Need for Mathematics Coaching: Tools, Plans, and a Process That Works for Any Instructional Leader, Grades K–12

**MAGGIE B. MCGATHA, JENNIFER M. BAY-WILLIAMS, BETH MCCORD KOBETT, AND JONATHAN A. WRAY**

Copublished with Corwin Press

This one-stop, comprehensive toolkit for improving mathematics instruction and learning is designed for busy math coaches who often have to rely on their own competencies. A plethora of critical tools, plans, resources, coaching strategies, and examples from the field help you guide teachers toward growing mathematics proficiency in their classrooms.

List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

Learn more

Rigor, Relevance and Relationships: Making Mathematics Come Alive with Project-Based Learning

**EDITED BY JEAN LEE AND ENRIQUE GALINDO**

This book supplies teachers with a challenging and rewarding new way to deeply engage their students in secondary mathematics. In project-based learning (PBL), students investigate and solve real-world issues through mathematics. *Rigor, Relevance, and Relationships* describes the nuts and bolts of designing an effective PBL unit, outlines how this method can help prepare students for future challenges in life and learning, and showcases a number of classroom-tested examples of PBL lessons.

List Price: $35.95 / Essential Price: $28.76 / Premium Price: $25.17

Learn more

A Fresh Look at Formative Assessment in Mathematics Teaching

**EDITED BY EDWARD A. SILVER AND VALERIE L. MILLS**

Formative assessment is a powerful pedagogical tool that is frequently overlooked and often misunderstood. Mathematics teacher educators and professional development specialists will find that this book explicates the role of formative assessment in effective mathematics teaching and learning, shows what it looks like in practice, and demonstrates how teachers can be assisted in developing the knowledge and skills needed for successful implementation.

List Price: $35.95 / Essential Price: $28.76 / Premium Price: $25.17

Learn more
New Releases

Integrating Math across the K–6 Curriculum
EDITED BY SUSAN E. McMILLEN
This online teacher resource is filled with lesson plans and activity sheets linked to articles from NCTM’s journals Teaching Children Mathematics and Mathematics Teaching in the Middle School and to sections from NCTM’s Navigations books. The product provides K–6 teachers with dozens of mathematics lessons related to topics their students are studying in science (such as biology, health, technology, and space), social studies (such as history, civics, and geography), and the arts (such as music, art, and design). It includes more than 70 downloadable articles and more than 100 lesson plans.
List Price: $29.95 / Essential Price: $23.96 / Premium Price: $20.97
Learn more

A Pleasure to Measure: Tasks for Teaching Measurement in the Elementary Grades
JEFFREY BARRETT, CRAIG CULLEN, DIANA BEHNKE, AND DAVID KLANDERMAN
This book presents lively activities that dovetail with standards and research-based stages of development to support students’ steady growth in understanding measurement. With individual chapters for kindergarten through grade 5, A Pleasure to Measure includes 65 classroom-ready activities on measurement, along with a summary of learning goals, connections to children’s literature, and ideas for extending beyond the activities.
List Price: $31.95 / Essential Price: $25.56 / Premium Price: $22.37
Learn more

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NCTM is debuting a new system for submitting book proposals in October 2018, and we want YOU to be a part of it!
We’re looking for experienced, highly skilled mathematics teachers and teacher educators. NCTM wants to hear from you on the topics that you know best—we want to know how you’re doing your job, and how you can share that knowledge with the rest of the mathematics education community. Administrators (whether at school, district, or state levels), math coaches, and researchers also have a place within the pages of NCTM books.
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https://mc04.manuscriptcentral.com/nctmbooks
NCTM’s Top 10 Best Sellers

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2. 5 Practices for Orchestrating Productive Mathematics Discussion, 2nd Edition
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5. Taking Action: Implementing Effective Mathematics Teaching Practices in Grades 6–8
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Access and Equity: Promoting High-Quality Mathematics Series

MARTA CIVIL, SERIES EDITOR

NCTM’s Access and Equity Principle states that “all students [should] have access to a high-quality mathematics curriculum, effective teaching and learning, high expectations, and the support and resources needed to maximize their learning potential.” The books in this series offers math educators strategies and resources for putting that principle into practice.

Pre-K–Grade 2
EDITED BY SYLVIA CELEDÓN-PATTICHIS, DOROTHY Y. WHITE, AND MARTA CIVIL
MARTA CIVIL, SERIES EDITOR

This book offers strategies and tools to help teachers in prekindergarten through grade 2 classrooms implement the Access and Equity Principle from NCTM’s Principles and Standards for School Mathematics. It looks at diversity (culture, race, ethnicity, home languages, economic status, disability) as an asset for teaching and learning mathematics with emphasis on multilingual settings and the need for deeper mathematics among younger children.

List Price: $27.95 / Essential Price: $22.36 / Premium Price: $19.56

NEW | Grades 3–5
EDITED BY SANDRA CRESPO, SYLVIA CELEDÓN-PATTICHIS, AND MARTA CIVIL
MARTA CIVIL, SERIES EDITOR

This book examines the challenges related to access, equity, and empowerment faced by students making the critical transition into mathematics of the third through fifth grades. It will help teachers provide a challenging, effective mathematics education for each and every student and fully implement the Access and Equity Principle in NCTM’s Principles to Actions: Ensuring Mathematical Success for All.

List Price: $27.95 / Essential Price: $22.36 / Premium Price: $19.56

NEW | Grades 6–8
EDITED BY ANTHONY FERNANDES, SANDRA CRESPO, AND MARTA CIVIL
MARTA CIVIL, SERIES EDITOR

Put NCTM’s Access and Equity Principle into practice with the strategies and resources in this book. Practice-based vignettes open each chapter, inviting readers to relate to and engage with the issues of access and equity discussed in the middle school mathematics classroom. Questions at the end of each chapter encourage readers to reflect on what they have learned and then take action in adapting the suggested approaches.

List Price: $27.95 / Essential Price: $22.36 / Premium Price: $19.56

NEW | Grades 9–12
EDITED BY DOROTHY Y. WHITE, ANTHONY FERNANDES, AND MARTA CIVIL
MARTA CIVIL, SERIES EDITOR

This book examines issues related to access, equity, and empowerment faced by students as they prepare for college, technical schools, or joining the workforce. It will help teachers provide each and every student with the challenging mathematics education they need for future success, thereby implementing the Access and Equity Principle in NCTM’s Principles to Actions: Ensuring Mathematical Success for All.

List Price: $27.95 / Essential Price: $22.36 / Premium Price: $19.56
Annual Perspectives In Mathematics Education (APME) Series

2017: Reflective and Collaborative Processes to Improve Mathematics Teaching
EDITED BY LUCY WEST
MELISSA BOSTON, SERIES EDITOR 2017–2018

The challenges we face in mathematics education today can only be overcome through thoughtful and collaborative effort. This 2017 volume of Annual Perspectives in Mathematics Education (APME) focuses on collaborative initiatives that engage every level of the math education community, including practicing and preservice teachers, school administrators, teacher educators, and university mathematicians. Its 24 chapters describe a wide variety of collaborative initiatives designed to provide teachers with the sustainable tools they need to reflect on and improve their practice, resulting in teachers who are more empowered and better able to deliver high-quality instruction to students at all levels.

List Price: $48.95 / Essential Price: $39.16 / Premium Price: $34.27

2016: Mathematical Modeling and Modeling Mathematics
EDITED BY CHRISTIAN R. HIRSCH
AMY ROTH MCDUFFIE, SERIES EDITOR, 2014–2016

Mathematical modeling plays an increasingly important role both in real-life applications and within mathematics education itself. This 2016 volume of Annual Perspectives in Mathematics Education (APME) focuses on this key topic from a wide variety of perspectives and distinguishes it from modeling mathematics. Its chapters include reflections on the meaning and practice of modeling, case studies, research observations, and proven strategies for implementation in the classroom and in teacher education.

List Price: $47.95 / Essential Price: $38.36 / Premium Price: $33.57

2014: Using Research to Improve Instruction
EDITED BY KAREN KARP
AMY ROTH MCDUFFIE, SERIES EDITOR, 2014–2016

Research has long been recognized as a key component of effective mathematics education for all grades. This 2014 volume of Annual Perspectives in Mathematics Education (APME) focuses on the core of NCTM’s mission since its inception: supporting teachers to improve instruction through research-based approaches. Its 24 chapters, written by leading mathematics educators and researchers, are grouped into five topic areas: Change; Problem Solving; Reasoning, Explaining, and Discourse; Seeing Structure and Generalizing; and Assessment for Teaching and Learning.

List Price: $42.95 / Essential Price: $34.36 / Premium Price: $30.07

Learn more
The Common Core Mathematics Companion: The Standards Decoded Series

Copublished with Corwin Press

Take a deeper look at the mathematics embedded in each of the Common Core State Standards and get examples of effective teaching and learning every step of the way. Don’t spend another minute poring over the mathematics standards. Focus instead on how to teach them, using The Common Core Mathematics Companion as your one-stop guide for teaching, planning, assessing, collaborating, and designing powerful mathematics curriculum.

Grades K–2
LINDA M. GOJAK AND RUTH HARBIN MILES
List Price: $30.95 / Essential Price: $24.76 / Premium Price: $21.67
Learn more

Grades 3–5
LINDA M. GOJAK AND RUTH HARBIN MILES
List Price: $30.95 / Essential Price: $24.76 / Premium Price: $21.67
Learn more

Grades 6–8
LINDA M. GOJAK, RUTH HARBIN MILES, AND LOIS A. WILLIAMS
List Price: $33.95 / Essential Price: $27.16 / Premium Price: $23.77
Learn more

NEW | High School
FREDERICK L. DILLON, W. GARY MARTIN, BASIL M. CONWAY IV, AND MARILYN E. STRUTCHENS
List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87
Learn more

The Common Core State Standards in Mathematics for English Language Learners Series

Copublished with Teachers of English to Speakers of Other Languages, Inc. (TESOL)

SERIES EDITOR, LUCIANA C. DE OLIVEIRA

Grades K–8
EDITED BY MARTA CIVIL AND ERIN TURNER

The ten chapters that compose this collection focus on pedagogical practices that can support English Language Learners (ELLs) and their teachers in meeting the content and language demands of CCSSM. Each chapter features detailed classroom-based vignettes that highlight specific pedagogical practices that teachers can use to support ELLs in building their skill with the practices identified in the Standards for Mathematical Practice, and each concludes with questions for reflection and suggestions for action plans.

List Price: $45.95 / Essential Price: $36.76 / Premium Price: $32.17
Learn more

High School
ANITA BRIGHT, HOLLY HANSEN-THOMAS, AND LUCIANA C. DE OLIVEIRA

This book focuses on ways to tailor instruction to capitalize on the strengths of each English language learner (ELL) while aligning teaching and learning with the Common Core State Standards for Mathematics. It explores some of the ways in which high school mathematics content can be made accessible to ELLs by building on the strengths that they bring to the classroom and scaffolding their opportunities to learn.

List Price: $45.95 / Essential Price: $36.76 / Premium Price: $32.17
Learn more
Curriculum Focal Points Series

Feeling overwhelmed by the wide range of mathematical topics you are expected to teach over a given year? Build a focused curriculum with NCTM’s Curriculum Focal Points, based on Principles and Standards for School Mathematics. Learn about instructional progression, how to introduce concepts, and how to build a deeper understanding of the mathematical topics in each Focal Point. All books are available as eBooks.

Prekindergarten through Grade 8 Mathematics: A Quest for Coherence

This title provides a rationale for focal points for each grade level, prekindergarten–8.


Grade-Level Books

The goal of these grade-specific books is to present the mathematics in each of the Focal Points in more detail. Follow an instructional progression from introducing and building concepts to developing depth of understanding to strengthening fluency.

Pre-K

List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

Kindergarten

List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

Grade 1

List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

Grade-Band Books

Whether you are a teacher, supervisor, or coordinator, these three grade-band books will support you as you plan a focused curriculum. The books help bring focus to existing curricula and create focus in curricula under revision. Learn to connect related ideas and prioritize topics of emphasis at each grade range.

Pre-K–Grade 2

List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

Grades 3–5

List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

Grades 6–8

List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

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Grade 8
List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87
Learn more
Developing Essential Understanding Series
ROSE MARY ZBIEK, SERIES EDITOR
Focus on the ideas that you need to understand thoroughly to teach confidently. These books address topics that are often difficult to teach but are critical to student development. Each volume gives an overview of the topic, highlights the differences between what teachers and students need to know, and examines the “big ideas” and related essential understandings.

Mathematical Reasoning for Pre-K–Grade 8
JOHN LANNIN, AMY B. ELLIS, AND REBEKAH ELLIOTT
List Price: $32.95 / Essential Price: $26.36 / Premium Price: $23.07
Learn more

Addition and Subtraction for Pre-K–Grade 2
JANET H. CALDWELL, KAREN KARP, AND JENNIFER M. BAY-WILLIAMS
List Price: $32.95 / Essential Price: $26.36 / Premium Price: $23.07
Learn more

Geometry and Measurement for Pre-K–Grade 2
E. PAUL GOLDENBERG AND DOUGLAS CLEMENTS
List Price: $35.95 / Essential Price: $28.76 / Premium Price: $25.17
Learn more

Number and Numeration for Pre-K–Grade 2
BARBARA J. DOUGHERTY, ALFINIO FLORES, EVERETT LOUIS, AND CATHERINE SOPHIAN
List Price: $29.95 / Member Price: $23.96
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Motivation and Disposition: Pathways to Learning Mathematics 73rd Yearbook (2011)
EDITED BY DANIEL J. BRAHIER; WILLIAM R. SPEER, GENERAL EDITOR
Individual articles from yearbooks are available for purchase for PDF download online. Please see the “Related Products” section of each title on NCTM’s online store for available chapter downloads. For more information, go to nctm.org/catalog. Please note: These products can be purchased only through NCTM’s online catalog. Non-Web payment methods, such as POs, cannot be used to purchase these items. If you have any questions please call NCTM’s Customer Care Department at (800) 235-7566.
List Price: $58.95 / Essential Price: $47.16 / Premium Price: $41.27
Your Mathematics Standards Companion: What They Mean and How to Teach Them Series

Copublished with Corwin Press

This series shows teachers in an instant how teaching to particular state standards should look and sound in the classroom. Authors provide a cross-referencing index for states implementing their own specific math standards, showing which are the same as the CCSSM and which are different—and how they differ.

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FREDERICK L. DILLON, W. GARY MARTIN, BASIL M. CONWAY IV, AND MARILYN E. STRUCHENS

List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

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Digital Product

**Exploring Math through Literature, Pre-K–8**

This online teacher resource is filled with lessons and activities that teach mathematical concepts while engaging students in a broad assortment of children's literature, including picture books, stories, poetry, and novels. The lessons are based on journal articles from NCTM’s Teaching Children Mathematics and Mathematics Teaching in the Middle School, and each matching of math lesson and work of literature is aimed at a specified grade level.

2017, Stock #14507

List Price: $24.95 / Essential Price: $19.96 / Premium Price: $17.47

[Learn more]
Elementary School Titles

Good Questions: Great Ways to Differentiate Mathematics Instruction in the Standards-Based Classroom, Third Edition
MARIAN SMALL
Copublished with Teachers College Press
The third edition of this best-selling resource has been expanded with over 100 new tasks and questions, and it helps experienced and novice teachers to effectively and efficiently differentiate mathematics instruction in K-grade 8. This volume includes key changes that will make it easier for teachers to use in all quality state standards environments, including direct links to Common Core content standards and the Standards for Mathematical Practice.
List Price: $34.95 / Essential Price: $27.96 / Premium Price $24.47

Unpacking Fractions: Classroom-Tested Strategies to Build Students’ Mathematical Understanding
MONICA NEAGOY
Copublished with the Association for Supervision and Curriculum Development
This title addresses seven big ideas in the teaching and learning of fractions in grades 2–6. Each idea is supported by a vignette from a real classroom, common misconceptions, a thorough unpacking of productive mathematical thinking, and several multistep and thought-provoking problems for teachers to explore.
“Sometimes you read a book and just want to shout ‘Bravo!’ That is my reaction to Monica Neagoy’s Unpacking Fractions which could just as well have been subtitled ‘what every 3rd through 6th grade teacher of mathematics needs to know about helping their students really make sense of fractions.’”
—STEVE LEINWAND, American Institutes for Research
List Price: $38.95 / Essential Price: $31.16 / Premium Price $27.27

Building Proportional Reasoning Across Grades and Math Strands, K–8
MARIAN SMALL
Copublished with Teachers College Press
Introducing students to the basic ideas of proportional reasoning in the early grades helps them develop skills for working with ratios, percentages, and complex representations in grade 6 and beyond. This book provides examples and questions that help teachers present early concepts, such as unitizing, in ways that build understanding of more complex ideas, such as ratios.

It’s Elementary: A Parent’s Guide to K-5 Mathematics
JOY W. WHITENACK, LAURIE O. CAVEY, AND CATHERINE HENNEY
Help Parents Effectively Participate in Their Children’s Math Education. Parents are sometimes baffled by the way elementary mathematics is taught in today’s classrooms. This book reintroduces them to the subject, discussing not only the “how” of today’s teaching methods but also the “why.” It provides insights into children’s thinking and development through the early grades, as well as information on helping with homework, engaging children in math at home, and participating in children’s math education.
List Price: $27.95 / Essential Price: $22.36 / Premium Price $19.56
Mastering Basic Math Skills: Games for Kindergarten through Second Grade
BONNIE ADAMA BRITT

Can children develop better math skills and deeper understanding of mathematical concepts and have fun at the same time? Absolutely! Children need lots of practice to learn new concepts and math facts, and games keep them engaged. Designed for use in the classroom and at home, this book gives access to downloadable materials—and all the games are correlated with the Common Core State Standards of mathematics.

List Price: $28.95 / Essential Price: $23.16 / Premium Price $20.26

Transforming the Task with Number Choice, Kindergarten through Grade 3
TONIA J. LAND, COREY DRAKE, MOLLY SWEENEY, NATALIE FRANKE, AND JENNIFER M. JOHNSON

The enduring challenge for every teacher is providing individual and responsive learning experiences for every student. This book presents a powerful tool that will help you meet the needs and strengths of all learners, address multiple content and practice standards, and create rich and worthwhile tasks. The authors provide practical strategies, advice on adapting curricular resources, and downloadable materials.

List Price: $27.95 / Essential Price: $22.36 / Premium Price $19.56

Exploring Mathematics through Play in the Early Childhood Classroom
AMY NOELLE PARKS
Copublished with Teachers College Press

This practical book guides preservice and in-service teachers in understanding how young children can learn math through play. The author addresses Common Core State Standards to demonstrate the role of play in standards-based mathematics learning, and the book provides classroom examples of problems and strategies that students encounter in play.

List Price: $32.95 / Essential Price: $26.36 / Premium Price $23.07

Mastering Basic Math Skills: Games for Third through Fifth Grade
BONNIE ADAMA BRITT

Fractions, decimals, integers... Children in third through fifth grade encounter new types of numbers and new concepts and need to develop skills to meet these challenges. Can they also have fun? Absolutely! Math games keep children engaged while providing the enormous amounts of practice they need to learn new concepts and skills. This book provides access to a variety of downloadable materials, including fraction sums cards, game boards, and recording sheets. All the games are correlated with the Common Core State Standards.

List Price: $40.95 / Essential Price: $32.76 / Premium Price $28.67

Mathematics Lessons Learned from Across the World, Prekindergarten–Grade 8
JOHNNY W. LOTT AND CAROLYN LOTT

Mathematics—the universal language—is the only language that all people share in the same way, regardless of culture, religion, or gender. This unusual book features classroom-tested activities from around the world for students from prekindergarten through grade 8 and showcases concepts discussed in Korea at the twelfth International Congress on Mathematical Education (ICME), held in 2012. Activities were selected to exemplify a standard or guideline of a particular country, and, where possible, those standards are noted along with the Common Core State Standards for Mathematics in the United States. Activities are organized by the age-level designation of the originating country as well as by content, if there is more than one activity in a content area.

List Price: $24.95 / Essential Price: $19.96 / Premium Price $17.47
Numbers and Stories: Using Children’s Literature to Teach Young Children Number Sense
RITA JANES AND ELIZABETH STRONG
Copublished with Corwin Press
Count on children’s books to build number sense! Math and reading go hand in hand, especially among young children who are new to both. If you’re looking for a surefire way to build number sense and reading skills at the same time, rely on this indispensable K–2 resource. Using children’s books as a springboard for standards-based learning, it provides 22 detailed lessons, all ready for immediate implementation.

“This a great topic. With the push for application of math concepts to prepare for Common Core, this text will be a useful resource for teachers.”
—CAROL A. AMOS, Principal, Danville School, Danville, Vermont
List Price: $38.95 / Essential Price: $31.16 / Premium Price $27.27

Success from the Start: Your First Years Teaching Elementary Mathematics
KATHY ERNST AND SARAH RYAN
“The authors have crafted a powerful and practical guide for every primary teacher who grapples with effective ways to implement high-quality mathematics instruction that works for all students.”
—STEVE LEINWAND, American Institutes for Research
Rather than focusing on math activities, the book highlights how students learn math and the pedagogy behind it. Using vignettes, all based on real classroom discussions, the authors illustrate effective teaching practices to support math learning. Chapters about the lesson-cycle come from conversations that teachers had when they planned, enacted, and reflected on a lesson. This book will act as a supportive and reassuring companion that you can return to throughout your journey as an elementary mathematics teacher.
List Price: $43.95 / Essential Price: $35.16 / Premium Price $30.77

The Elementary Mathematics Specialist’s Handbook
EDITED BY PATRICIA F. CAMPBELL, AIMEE J. ELLINGTON, WILLIAM E. HAVER, AND VICKIE L. INGE
This handbook has been developed as a resource for the mathematics specialist whose central role is to facilitate and support the job-embedded professional development of elementary school classroom teachers. This role includes coaching individual teachers, coaching small groups or grade-level teams of teachers, providing programmatic leadership for mathematics in the school, collaborating with and supporting other resource teachers, and serving as the face of the school’s mathematics program. This handbook explores how mathematics specialists can be effective in all these areas.
List Price: $41.95 / Essential Price: $33.56 / Premium Price $29.37

High-Yield Routines for Grades K–8
ANN MCCOY, JOANN BARNETT, AND EMILY COMBS
Boost student participation and proficiency with high-yield, effective mathematical routines.
“The easily implemented routines suggested in [this book] will provide teachers with opportunities to enhance the content knowledge and mathematical practices of their students. Classroom vignettes, from a variety of grade levels, illustrate how the routines may be used effectively across many grade levels, and the student work included provides a picture of what teachers might expect from students. This book will prove to be a valuable resource for teachers both new and experienced.”
—TERRY GOODMAN, Concordia College
List Price: $24.95 / Essential Price: $19.96 / Premium Price $17.47
Uncomplicating Fractions to Meet Common Core Standards in Math, K–7
MARIAN SMALL
Copublished with Teachers College Press

This accessible book provides math teachers with support for differentiated instruction. Math coaches can use it to assist teachers with their transition to the Common Core State Standards. All teachers will find it helpful to see the mathematical fraction learning that precedes and follows the grades they teach. This book is also an excellent text for preservice teachers as they prepare to understand and teach math with a deep level of understanding.

List Price: $26.95 / Essential Price: $21.56 / Premium Price $18.86

Eyes on Math: A Visual Approach to Teaching Math Concepts
MARIAN SMALL
Copublished with Teachers College Press

“This book provides a way for both teachers and students to get used to talking about mathematics in nonthreatening, open-ended ways. The author's friendly explanations of the mathematical ideas the pictures are intended to surface give teachers who are less confident about the conceptual aspects of mathematics the support they need to facilitate less-scripted mathematical discourse with their students.”
—LUCY WEST, Education Consultant

List Price: $29.95 / Essential Price: $23.96 / Premium Price $20.97

Cowboys Count, Monkeys Measure, and Princesses Problem Solve
JANE M. WILBURNE, JANE B. KEAT, AND MARY P. NAPOLI
Copublished with Paul H. Brookes Publishing

“Powerfully affirmative to teachers who may feel less comfortable teaching math than reading . . . equally appealing to teachers who are math gurus and those who are less confident in their math skills.”
—SALLY MOOMAW, Assistant Professor of Early Childhood Education, University of Cincinnati

List Price: $24.95 / Essential Price: $19.96 / Premium Price $17.47

Visible Thinking in the K–8 Mathematics Classroom
TED H. HULL, DON S. BALKA, AND RUTH HARBIN MILES
Copublished with Corwin Press

“This book is a crucial tool for meeting NCTM mathematical content and process standards. Through the useful problems and strategies presented within, teachers will definitely know how well their students will comprehend. If comprehension is an issue in your class, this book is a must-have!”
—THERESE GESSLER RODAMMER, Math Coach, Thomas W. Dixon Elementary School, Staunton, Virginia

List Price: $31.95 / Essential Price: $25.56 / Premium Price $22.37

Smarter Together! Collaboration and Equity in the Elementary Math Classroom
HELEN FEATHERSTONE, SANDRA CRESPO, LISA M. JILK, JOY A. OSLUND, AMY NOELLE PARKS, AND MARCY B. WOOD

Complex Instruction (CI) is a set of ideas and strategies that avoid the problems while creating powerful group learning experiences for children. CI is a set of ideas and strategies that address the problems that confound group work but create powerful learning for children. This book offers guidance to readers on how to use these strategies and ideas. The authors describe the lessons they learned using group work, explain how complex instruction helps unsuccessful students, and analyze how to design assignments that support group learning—using groupworthy tasks—giving readers examples of good tasks and help in adapting math problems from their own curricula.

List Price: $38.95 / Essential Price: $31.16 / Premium Price $27.27

Learn more

www.nctm.org/store/ CALL (800) 235-7566 to order today!
Young Mathematicians at Work: Constructing Algebra
CATHERINE TWOMEY FOSNOT AND BILL JACOB
Copublished with Heinemann-Raintree
Provides a landscape of learning that helps teachers recognize, support, and celebrate their students’ capacity to structure their worlds algebraically. The book identifies the models, contexts, and landmarks that facilitate algebraic thinking in young students and provides insightful and practical methods for teachers, math supervisors, and curriculum coordinators.
List Price: $32.95 / Essential Price: $26.36 / Premium Price $23.07

Algebra in the Early Grades
EDITED BY JAMES KAPUT, DAVID CARRAHER, AND MARIA BLANTON
“This is the only book that specifically addresses research on early algebra. It provides a nice mix of both conceptual/theoretical and practice-based chapters. Given the national attention that early algebra is receiving, this book is sorely needed.”
—ERIC KNUTH, University of Wisconsin-Madison
List Price: $69.95 / Essential Price: $55.96 / Premium Price $48.97

Mathematics Teacher: Learning and Teaching Pre-K–12
NCTM’s newest journal, *Mathematics Teacher: Learning and Teaching Pre-K–12 (MTLT)*, now seeks submissions for publication beginning in January 2020. *MTLT* will publish articles that reflect the current practices of mathematics education and will maintain a knowledge base of practice and policy that looks toward the future of the field. The journal will be enhanced through the use of digital content, making the submission of manuscripts that include multimedia components a high priority. Content will support the enhancement and improvement of mathematics teaching and learning for each and every learner from preschool to grade 12.

The *MTLT* Editorial Board is interested in considering your manuscripts for publication. For manuscript calls and detailed submission information, visit nctm.org. If you are ready to submit a manuscript, access https://mc04.manuscriptcentral.com/mltltk12
Discovering Lessons for the Common Core State Standards in Grades 6–8
SARAH B. BUSH AND KAREN KARP

This highly useful book, edited by leading teacher educators, provides ready-made alignment with high-quality, peer-reviewed, engaging activities for use with middle school students. The book provides a timely resource to preservice and in-service teachers that will help ensure that they are using activities that align with the CCSSM content standards and the Standards for Mathematical Practice that they are aiming to successfully address in their classroom. All articles have been selected from NCTM’s award-winning journal for middle-grades teachers, Mathematics Teaching in the Middle School. Note: This is only available as an eBook.

List Price: $6.99 / Essential Price: $5.59 / Premium Price: $4.89

Learn more

More Rich and Engaging Mathematical Tasks

This eBook-only companion to Rich and Engaging Mathematics Tasks, Grades 5–9 (NCTM #15651) contains more than 50 additional articles and tasks! A valuable resource to any mathematics teacher, this rich collection of mathematical tasks will enliven students’ engagement in mathematical thinking and reasoning and help them succeed in the classroom. Note: This is only available as an eBook.

List Price: $32.95 / Essential Price: $26.36 / Premium Price: $23.07

Learn more

Rich and Engaging Mathematical Tasks: Grades 5–9
EDITED BY GLENDIAPAN

This book, a collection of carefully selected articles from past issues of NCTM journals, includes activities for teachers to use with their students to promote an understanding of the mathematical content. Articles are arranged in content strands and ordered within a strand to promote the development of important areas of mathematics. These key areas are all highlighted in the Common Core State Standards for Mathematics (CCSSM) as important for students’ progress in mathematics. Each section of the book highlights articles on a key area of mathematics featured in CCSSM. A valuable resource for any mathematics teacher, this rich collection of mathematical tasks will enliven students’ engagement in mathematical thinking and reasoning and help them succeed in the classroom.

List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

Learn more

How to Study Math: 80 Ways to Make the Grade
SARA-LYNN GOPALKRISHNA AND JENNY SALLS

This book’s ideas and strategies can be used by teachers or parents to guide the middle school student from insecure bystander to confident achiever in math class. For students already working at high-achieving levels, the tips and techniques will help them develop even more efficient and effective study habits and test-taking skills.

List Price: $9.95 / Essential Price: $7.96 / Premium Price: $6.96

Learn more
Middle School Titles

Reasoning and Sense-Making Problems and Activities for Grades 5–8
ELIZABETH D. PHILLIPS AND JUDITH S. ZAWOJEWSKI
This book is a collection of the best of NCTM’s Addenda Series, grades 5–8, and includes problems and examples that represent critical content for today’s middle school curriculum. The problems focus on four key practices: roles of representation, generalization, problem solving, and connections in mathematics learning and teaching. The chapters show each problem with a goal statement, a list of needed materials, possible solutions, teacher’s notes, and ideas for extensions. Teacher’s notes include the problem’s mathematical goals, key information for implementing the problem, elaboration on students’ possible strategies, and sample questions and answers. An appendix provides reproducible blackline masters, which can also be found online and downloaded from NCTM’s More4U site.
List Price: $37.95 / Essential Price: $30.36 / Premium Price: $26.57
Learn more

Mathematics for Every Student, Responding to Diversity, Grades 6–8
EDITED BY CAROL E. MALLOY
Discover ways to support high-quality mathematics learning for diverse populations in the classroom. Diversity can come in various forms, and students come with a range of needs, backgrounds, expertise, and experience. Connect real-life to mathematical concepts with these ready-to-implement strategies from teachers who have worked with different teaching techniques.
List Price: $25.95 / Essential Price: $20.76 / Premium Price: $18.17
Learn more

Activities for Junior High School and Middle School Mathematics, Vol. 2
COMPILED BY KENNETH E. EASTERDAY, F. MORGAN SIMPSON, AND TOMMY SMITH
Activities are one means of connecting both the various strands of mathematics with one another and mathematics with other disciplines. This compilation of articles from NCTM journals includes strands on problem solving, reasoning, number relationships, statistics, and more.
List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87
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Mathematics Lessons Learned from Across the World, Grades 7–12
JOHNNY W. LOTT AND CAROLYN J. LOTT

This book rounds out a pair of unusual activity books designed to heighten awareness of international perspectives on mathematical education. It features activities from around the world for students ages 13–18, complementing the companion book’s activities for students ages 5–13. The activities are ordered by age level, and activity sheets are available for download in a classroom-ready format at NCTM’s More4U website.

List Price: $24.95 / Essential Price: $19.96 / Premium Price: $17.47

Learn more

One Equals Zero and Other Mathematical Surprises
NITSA MOVSHOVITZ-HADAR AND JOHN WEBB

One equals zero! Every number is greater than itself! All triangles are isosceles! Surprised? Welcome to the world of One Equals Zero and Other Mathematical Surprises. Each paradox, fallacy, and mind boggler in this book will challenge high school students at any skill level, encourage them to look at familiar mathematical situations in a new light, and help them better understand both the possibilities and the limitations of mathematics. This book helps you transform mathematical errors and quandaries into positive learning experiences. Along the way you’ll encourage your students to see that the development of mathematical skill is a process of creative struggle and spirited debate. Includes one- and two page activities, teacher notes, a matrix of key concepts, and a list of recommended reading guides. Originally published by Key Curriculum Press

List Price: $28.95 / Essential Price: $23.16 / Premium Price: $20.26

Learn more

Success from the Start: Your First Years Teaching Secondary Mathematics
ROB WIEMAN AND FRAN ARBAUGH

Though you may envision your classroom as a place where students engage with mathematics and learn important content, you may also worry about how your teaching will actually play out—how you and your students will interact and what they will learn. Based on classroom observations and interviews with seasoned and beginning teachers, this book offers valuable suggestions to improve your teaching and your students’ opportunities to learn. The authors explore both the visible and invisible aspects of teaching and offer proven strategies to make the work meaningful—not merely manageable. Success from the start means being prepared from the start. This book not only teaches you how to be an effective math teacher but also gives you the tools to do it well.

List Price: $41.95 / Essential Price: $33.56 / Premium Price: $29.37

Learn more

Strength in Numbers: Collaborative Learning in Secondary Mathematics
ILANA SEIDEL HORN

Students who work together succeed together. Isn’t that every teacher’s goal? Written by a seasoned teacher, researcher, and teacher educator with more than two decades of teaching experience, this book supports teachers in developing tools for effective group work in their secondary mathematics classrooms. It outlines ways to choose tasks and help students adjust to new ways of approaching schoolwork, and it discusses the types of status problems that can impede the most earnest attempts at collaborative learning. This practical, useful book introduces tested tools and concepts for creating equitable, collaborative learning environments that support all students and develops their confidence in their mathematical ability.

List Price: $29.95 / Essential Price: $23.96 / Premium Price: $20.97

Learn more
High School Titles

**More Good Questions: Great Ways to Differentiate Secondary Mathematics Instruction**

**MARIAN SMALL AND AMY LIN**

*Copublished with Teachers College Press*

This best-selling resource offers almost 300 questions and tasks that teachers and coaches can adopt immediately, adapt, or use as models to create their own. It also includes sidebars with teaching tips and an organizing template at the end of each chapter.


List Price: $31.95 / Essential Price: $25.56 / Premium Price: $22.37

[Learn more](#)

**Mathematics for Every Student, Responding to Diversity, Grades 9–12**

**EDITED BY CAROL E. MALLOY**

Discover ways to support high-quality mathematics learning for diverse populations in the classroom. Diversity can come in various forms, and students come with a range of needs, backgrounds, expertise, and experience. Connect real-life experiences to mathematical concepts with these ready-to-implement strategies from teachers who have experimented with different teaching techniques.


List Price: $25.95 / Essential Price: $20.76 / Premium Price: $18.17

[Learn more](#)

**Tasks and Competencies in the Teaching and Learning of Algebra**

**ALEX FRIEDLANDER AND ABRAHAM ARCAVI**

This book provides 48 classroom-ready tasks that will enable students learning algebra in grades 7–12 to truly understand the concepts underlying the problems they are solving. The tasks focus on algebraic expressions, equations, and functions, followed by ones that integrate several mathematical concepts. All tasks are also available for readers at NCTM’s More4U website as downloadable and printable worksheets to hand out to students.


List Price: $31.95 / Essential Price: $25.56 / Premium Price: $22.37

[Learn more](#)

**Statistical Questions from the Classroom**

**J. MICHAEL SHAUGHNESSY AND BETH CHANCE**

Express shipping not available. (Print On Demand)

This little book presents eleven short discussions of some of the most frequently asked questions about statistics—questions that are consistently raised by statistics students and by classroom teachers alike. The authors offer teachers of statistics some quick insights and support in understanding these issues and explaining the ideas to their own students. Examples and visual representations of the ideas are included.


List Price: $27.95 / Essential Price: $22.36 / Premium Price: $19.56

[Learn more](#)

**Recipes You Can Count On**

Could there be a better—or more delicious—way to prove the case that math is a basic fact of our everyday lives than with a cookbook?

“Perhaps the food ideas here will lead you on mental journeys. . . . You may find along the way that not only is measurement important but, as in any good mathematics classroom, explorations and creativity are encouraged.”

—JOHNNY W. LOTT

The sales of this product benefit Mathematics Education Trust (MET) programs. We thank you for your support!


List Price: $25.00 / Essential Price: $20.00 / Premium Price: $17.50

[Learn more](#)
Developing Literate Mathematicians: A Guide for Integrating Language and Literacy Instruction into Secondary Mathematics

WENDY WARD HOFFER

How can we integrate literacy instruction authentically into mathematics content to support mathematical understanding? Busy secondary mathematics teachers who seek to respond to the needs of their students and the demands of the Common Core State Standards will welcome this book, which offers lively classroom examples, usable research, and specific ideas and resources. Enrich your students’ understanding of mathematics by attending to reading, vocabulary, discourse, and writing through a workshop model.

List Price: $27.95 / Essential Price: $22.36 / Premium Price: $19.56

High-Yield Routines for Grades K–8

ANN MCCOY, JOANN BARNETT, AND EMILY COMBS

Boost student participation and proficiency with high-yield, effective mathematical routines. In this book, the authors present seven easily implemented mathematical routines that may be used effectively at a variety of grade levels and with a variety of mathematical content. The book also includes ideas for infusing mathematics into the nonmathematical routines that take time away from instruction.

List Price: $24.95 / Essential Price: $19.96 / Premium Price: $17.47

Curriculum Issues in an Era of Common Core State Standards for Mathematics

EDITED BY CHRISTIAN R. HIRSCH, GLENTA T. LAPPAN, AND BARBARA J. REYS

This volume furthers the goal of ensuring that teachers have opportunities to interact across grades in ways that help both teachers and their students see connections in schooling as they progress through the grades. Each section of this volume contains three companion chapters appropriate to three grade bands—K–5, 6–8, and 9–12—focusing on important curriculum issues related to understanding and implementing CCSSM.

List Price: $37.95 / Essential Price: $30.63 / Premium Price: $26.57

Administrator’s Guide: Interpreting the Common Core State Standards to Improve Mathematics Education

MATTHEW R. LARSON

Focusing on similarities between the new Common Core State Standards and those outlined in NCTM’s influential Principles and Standards for School Mathematics, this handbook efficiently highlights reasoning processes that are essential in any high-quality mathematics program. Students who know these processes are set to “do math” in any context, real or abstract. Make the most of the rare opportunity that the Common Core State Standards offer for rethinking school mathematics and creating exciting new pathways from high school to college and beyond. Includes answers to “Frequently Asked Questions” and detailed lists of resources to support school mathematics programs.

List Price: $23.95 / Essential Price: $19.16 / Premium Price: $16.76
## Assessment

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### Mathematics Formative Assessment, Volume 2: 50 More Practical Strategies for Linking Assessment, Instruction, and Learning

**PAGE KEELEY AND CHERYL ROSE TOBЕY**
Copublished with Corwin Press

Good math teachers have a robust repertoire of strategies to move students’ learning forward. This title helps you improve student outcomes with 50 all-new formative assessment classroom techniques (FACTS) that are embedded throughout a cycle of instruction. Descriptions of how the FACTs promote learning and inform teaching, including illustrative examples, support the inextricable link between instruction and learning.

List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

### Using Formative Assessment to Differentiate Mathematics Instruction: Seven Practices to Maximize Learning

**LESLIE LAUD**
Copublished with Corwin Press

Staff development expert and former math teacher Leslie Laud provides a clear road map for using formative assessment to differentiate mathematics instruction for students in grades 4–10, using strategies ideal for a response to intervention (RTI) model. Tested and enhanced by experienced math teachers, the book’s strategies are designed for use in conjunction with any curriculum or textbook.

List Price: $30.95 / Essential Price: $24.76 / Premium Price: $21.67

### Using Classroom Assessment to Improve Student Learning: Math Problems Aligned with NCTM and Common Core State Standards

**EDITED BY ANNE M. COLLINS**

Linking assessment to everyday classroom instruction requires a shift in both thinking and practice. For many, the term “assessment” simply means grade. This book shows how teachers can move away from using tests, letter or numerical grades, or passing or failing as evidence of student learning to creating a rich classroom environment that is conducive to effective formative assessment.

List Price: $38.95 / Essential Price: $31.16 / Premium Price: $27.27

### APME 2015: Assessment to Enhance Learning and Teaching

**EDITED BY CHRISTINE SUURTAMM**

Amy Roth McDuffie, Series Editor, 2014–2016

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### Enhancing Classroom Practice with Research behind *Principles to Actions*

**EDITED BY DENISE A. SPANGLER AND JEFFREY J. WANKO**

For many mathematics educators, research might seem remote from their day-to-day activities. This book makes research about the big ideas in *Principles to Actions* concrete by offering examples, from classroom practice, of best practices in action. It links research to practice to give readers a flavor of what a principle or an element might look like in classroom practice.

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**EDITED BY EDWARD A. SILVER AND PATRICIA ANN KENNEY**

More than seventy years of research point to the importance of teaching mathematics for understanding. Successful students actively construct understanding rather than passively receive knowledge. Twenty-four chapters in this readable title share ideas for strengthening teaching and learning by applying accessible, relevant insights from research. All chapters have been adapted and updated from articles published in NCTM’s *Journal for Research in Mathematics Education* between 2000 and 2010, and the authors have rewritten and revised their work to make it clear, understandable, and useful for classroom mathematics teachers.

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EDITED BY EDWARD A. SILVER AND PATRICIA ANN KENNEY
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Mathematics for Equity: A Framework for Successful Practice
EDITED BY NA’ILAH NASIR, CARLOS CABANA, BARBARA SHREVE, ESTELLE WOODBURY, AND NICOLE LOUIE
Copublished with Teachers College Press
“Want to fix what’s wrong with mathematics instruction in your school? Read this book with your colleagues and do what it inspires you to do. Written by the brave teachers and former students who did it, as well as researchers.” —PHIL DARO, Writing team, Common Core Standards, Strategic Education Research Partnership
In this book, nationally renowned scholars join classroom teachers to share equity-oriented approaches that have been successful with urban high school mathematics students. Compiling for the first time major research findings and practitioner experiences from Railside High School, this volume describes the evolution of a fundamentally different conception of learners and teaching. The chapters bring together research and reflection on teacher collaboration and professional communities, student outcomes and mathematics classroom culture, reform curricula and pedagogy, and ongoing teacher development.
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Compendium for Research in Mathematics Education
EDITED BY JINFA CAI
This valuable new resource provides the most comprehensive evidence of what is known about research in mathematics education. The 38 chapters are grouped into five sections that address research about foundations; methods; mathematical processes and content; students, teachers, and learning environments; and futuristic issues. Each chapter offers a synthesis of research with an eye on the historical development of a research topic as well as historical milestones of the research about the topic.
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Throughout his career, Zalman Usiskin witnessed, participated in, and responded to any significant developments in school mathematics and the mathematics curriculum, and he was instrumental in developing the influential University of Chicago School Mathematics Project. This selection of Usiskin’s work and perspectives focuses on mathematics curriculum. It is organized into six sections with papers arranged chronologically, and each section includes a brief introduction by the author.
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The sixteenth Journal for Research in Mathematics Education (JRME) monograph is a report on a four-year-long multisite longitudinal study that studied children’s thinking and learning about geometric measurement (i.e., length, area, and volume). Through the results of this study, the authors clarify how children learn and apply measurement knowledge in pre-K through grade 5, in addition to exploring the development of children’s cognitive abilities (e.g., spatial thinking, proportional reasoning) in understanding and using measurement strategies.
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Building a Math-Positive Culture: How to Support Great Math Teaching in Your School  
CATHY L. SEELEY  
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This concise, highly readable book offers administrators an overview of an effective mathematics program and examples of actions to take to support successful math teaching and learning. The book is an essential tool for leaders facing the critical task of revising their math program to develop flexible mathematical thinkers who are capable of meeting the demands of the 21st century.

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CATHERY YEH, MARK W. ELLIS, AND CAROLEE KOEHN HURTADO  

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MARIAN SMALL  
Copublished with Teachers College Press  

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CATHY L. SEELEY  
Copublished with ASCD  

For students, becoming mathematical thinkers and problem solvers is an essential first step to achieving STEM success. In this brief but thought-provoking look at mathematics teaching, former NCTM president Cathy L. Seeley considers what it takes for each teacher to help every student become a mathematical thinker and problem solver.

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HILDA BORKO, JENNIFER JACOBS, KAREN KOELLNER, AND LYN E. SWACKHAMER
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This resource helps school leaders and others offer ongoing, structured professional development for K-12 mathematics teachers. Focusing on content, classroom instruction, and student learning, the Problem-Solving Cycle and Leadership Preparation models are tailored to meet the needs of teachers and schools. Examples of workshop activities for teachers and professional development (PD) leaders are included.
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BY JENNIFER L. CARTIER, MARGARET S. SMITH, MARY KAY STEIN, AND DANIELLE K. ROSS
FOREWORD BY MARK WINDSCHITL
Copublished with National Science Teachers Association Press
Robust and effective classroom discussions are essential for providing students with opportunities to simultaneously engage in science practices while learning key science content. Using numerous examples and science learning tasks, the authors show how teachers can plan the lesson to encourage students to not only learn science content but also employ disciplinary practices.
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EDITED BY ANITA A. WAGER AND DAVID W. STINSON
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“[This book] presents a collection of engaging and important ideas that can help transform mathematics from a traumatic and unfair learning experience to one that is enjoyable and equitable. The editors include some of the most insightful educators in this area, who think deeply about issues of social justice, in theory and practice, and work to make a real impact in children’s lives.”
—JO BOALER, Professor, School of Education, Stanford University
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—MARGARET (PEG) SMITH, Professor of Mathematics Education, University of Pittsburgh
This book compiles the different ways that mathematics teacher educators at various universities have used Standards-based curriculum materials. It shows how both elementary and secondary prospective teachers can enhance their disposition toward, and understanding of, NCTM’s Principles and Standards for School Mathematics, as they analyze and enact Standards-based curricular materials.
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The Impact of Identity in K–8 Mathematics: Rethinking Equity-Based Practices
JULIA AGUIRRE, KAREN MAYFIELD-INGRAM, AND DANNY MARTIN
This book invites K–8 teachers to reflect on their own and their students’ multiple identities. Rich possibilities for learning result when teachers draw on these identities to offer high-quality, equity-based teaching to all students. The book features classroom vignettes, lessons, and assessments showing equity-based practices, along with tools for teachers’ self-reflection and professional development.
2013, Stock #14119, 978-0-87353-689-9
List Price: $36.95 / Essential Price: $29.56 / Premium Price: $25.87

A Guide to Mathematics Coaching: Processes for Increasing Student Achievement
TED H. HULL, DON S. BALKA, AND RUTH HARBIN MILES
Copublished with Corwin Press
Based on principles established by NCTM and NCSM, this book features a three-part process for engaging teachers in building high-quality, equitable mathematics programs. Filled with numerous vignettes to illustrate coaching practices and strategies to move teachers toward more effective instructional models, this guide is an essential companion for transforming mathematics classrooms.
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DON S. BALKA, TED H. HULL, AND RUTH HARBIN MILES
Copublished with Corwin Press
Empower educators and learners to meet and exceed high expectations. School leaders who are responsible for improving achievement face tremendous challenges. Written by three noted mathematics educators, this book helps leaders implement a high-quality program, regardless of the status of their current programs or the availability of resources.
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Models of Intervention in Mathematics: Reweaving the Tapestry
CATHERINE TWOMEY FOSNOT
This publication synthesizes the research on intervention programs and best practices related to mathematical instructional pedagogy and differentiation to assist teachers, schools, and school districts in improving the manner in which they serve children with challenges in mathematics. Includes Professional Development Facilitator’s Guide.
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Teaching Children Mathematics is intended as a resource for elementary school students, teachers, and teacher educators. The focus of the journal is on intuitive, exploratory investigations that use informal reasoning to help students develop a strong conceptual basis that leads to greater mathematical abstraction. The journal's articles have won numerous awards, including honors from the Society of National Association Publications.

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Mathematics Teacher Educator contributes to building a professional knowledge base for mathematics teacher educators that stems from, develops, and strengthens practitioner knowledge. The journal provides a means for practitioner knowledge related to the preparation and support of teachers of mathematics to be not only public, shared, and stored, but also verified and improved over time.

Journal for Research in Mathematics Education

The Journal for Research in Mathematics Education is the premier research journal in mathematics education and is devoted to the interests of teachers and researchers at all levels—preschool through college.

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